

8.28.03
MS Assignment
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09-16-2003



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19704 U.S. PTO
10/650188
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Sir:

RECORDATION FORM COVER SHEET
PATENTS ONLY

Enclosed for recordation in the records of the U.S. Patent and Trademark Office is
AN ORIGINAL document with particulars as follows:

- (1) Name of conveying party:

Shugong Xu

10/650188

- (2) Name and address of receiving party:

Sharp Laboratories of America, Inc.
5750 Pacific Rim Blvd.
Camas, Washington 98607

- (3) The nature of the conveyance is AN ASSIGNMENT, which was executed
on August 18, 2003.

- (4) This document is being filed with a new patent application, for which the
execution date of the application is August 18, 2003.

- (5) Any and all correspondence concerning this document should be addressed
and mailed to the following:

Robert D. Varitz
ROBERT D. VARITZ, P.C.
2007 S.E. Grant Street
Portland, OR 97214
Telephone: 503-720-1983
Facsimile: 503-233-7730

- (6) The total number of patent applications involved in this conveyance is -1-.

- (7) A credit card authorization in the amount of \$40.00 to cover the recordation
fee is enclosed, in accordance with 37 C.F.R. § 3.41).

Page 1 RECORDATION COVER SHEET; Application of Shugong Xu; Docket No.: J-SLA.1310

PATENT
REEL: 014481 FRAME: 0303

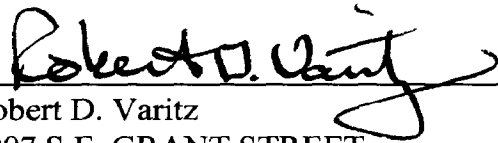
- (8) Please charge my Deposit Account No. 22-0258 for any additional fees which may be required.
- (9) To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Customer Number

23855

Respectfully Submitted,

ROBERT D. VARITZ, P.C.


Robert D. Varitz
2007 S.E. GRANT STREET
Portland, Oregon 97214

Registration No: 31436

Telephone: 503-720-1983

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RDV:bd

enc.

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET: 2

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned,

Shugong Xu

1. Hereby sell, assign and transfer to Sharp Laboratories of America, Inc., having a place of business at 5750 Pacific Rim Blvd.; Camas, Washington 98607, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries:

(a) in and to any and all inventions which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is:

Entitled: - Modified-Beacon, Bandwidth-Access Control in Wireless Network Communication System

Docket Number: - J-SLA.1310

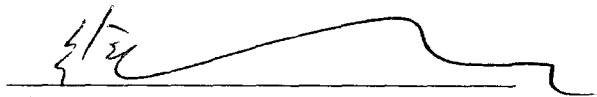
(b) in and to the application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and (c) in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions;

2. Agree that the Assignee may apply for and receive Letters Patent for said inventions in its own name; and that, when requested, (at the expense of the Assignee, its successors, assigns and legal representatives), the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to the Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said inventions and the history thereof; and generally to do everything reasonable which the Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in the Assignee, its successors, assigns and legal representatives; and

3. Covenant with the Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date 8/18/03

Signature:


Shugong Xu